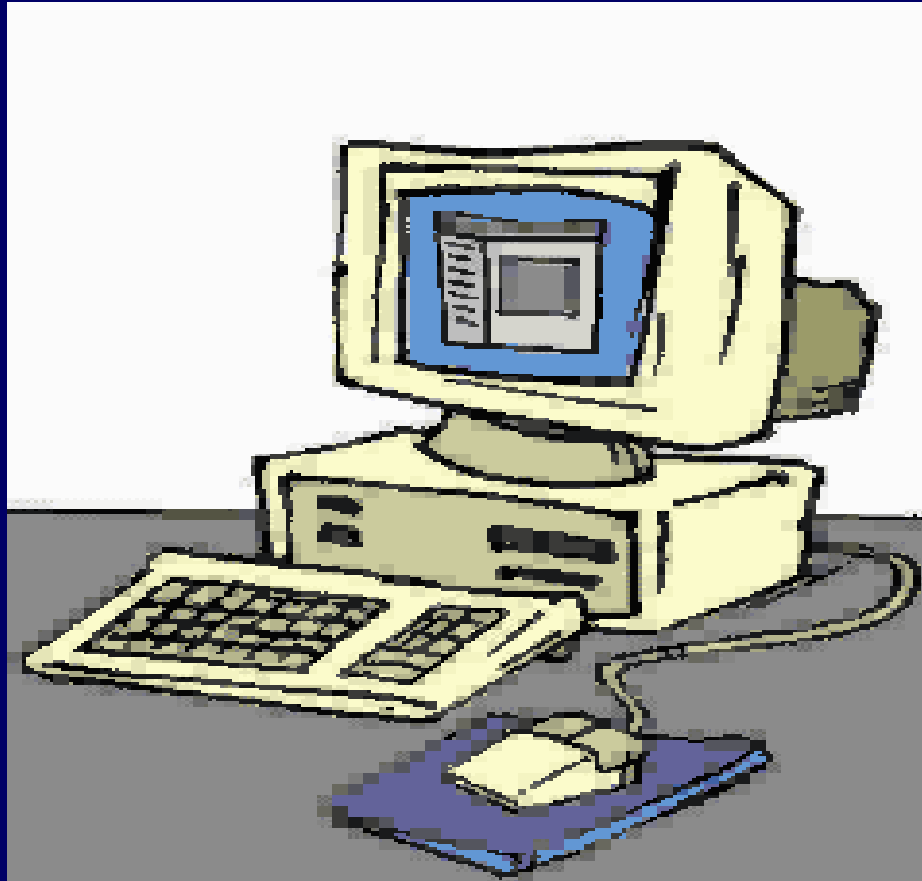# Monarch Software Demonstration

Biostatistics Unit
HSR&D, VAMC, Durham, NC

Getting Data from DHCP

Monarch-What does it do?

Monarch is a windows based software package that
- views
- prints
- analyzes
- extracts
- exports

data from existing computer reports

Data Extraction

- Any form or report in an electronic format
- Pulls out data by matching patterns specified in user created models
- Stores data in a data sheet
- Creates a data sheet similar to MS Excel

Data Extraction Advantages

- Easily exported
- Possible to eliminate hand coding from reports
- Simplifies repetitive data pulls

Applications

- DHCP reports are set up for nurses and MDs to pull up individual patient records

- In Research we are interested in examining records for 50, 100, 500, or 1000+

- When the information is in a structured format, Monarch can extract the data easily

Example - Retrieving Demographics

```
AD HOC SUMMARY BRIEF DEMOGRAPHICS
  11/08/1999 16:10
  *********   CONFIDENTIAL AD HOC SUMMARY   ***********
  BALBOA,ROCKY     111-22-5555              DOB: 04/07/1949

  ----------- BDEM - Brief Demographics -----------

     Address: PO BOX 45231                 Phone: 215-337-7382
              PHILADELPHIA, PENNSYLVANIA  19019
     Eligibility: NSC, VA PENSION            Age: 70
                                             Sex: MALE


                                  11/08/1999 16:10
  ********   CONFIDENTIAL AD HOC SUMMARY   *********
  BOND,JAMES      007-77-7777              DOB: 03/31/1939

  --------- BDEM - Brief Demographics -------------
```

Example - Retrieving Demographics

BALBOA,ROCKY

BOND, JAMES

Example

- Basic Demographic Information on patients being seen by a particular doctor on a particular day.
- Oddone's patients for December 1, 1999

DHCP / Hyperterminal / Monarch Demo

1. Access DHCP clinic appointment menu
2. Capture the information into a text file
3. Use Monarch to pull off the full social security number into a separate text file
4. Access DHCP Ad Hoc Health Summary
5. Feed in the SSNs
6. Capture the demographic information into a text file
7. Use Monarch to extract the data

Monarch software

- Data extraction
- Data in fixed columns
- Data in relative positions
- Free text in varying number of lines
- Functions available in the datasheet for further manipulation
- Reusable models

Availablility

▌ Currently the Biostatistics Unit has one copy of the software.

▌ Purchase would be necessary for individual projects involving numerous data pulls

▌ We suggest this software be requested in future grants.

Data Extraction Advantages

- Easily exported
- Possible to eliminate hand coding from reports
- Simplifies repetitive data pulls

Conclusion

- Exciting possibilities !
- Can make obtaining DHCP/VISTA data much easier!